

IN THE CLAIMS:

Please rewrite the claims of this application as follows so as to provide a “clean” set thereof including the proper indentation, particularly in Claims 1 and 14, required by the Examiner. With the exception of one spelling correction, no amendment of the Claims of this application is requested in this Amendment and Request for Reconsideration After Final Rejection Under 37 CFR 1.116.

1. (Previously presented) A system comprising a sever and a plurality of networks that are separately connected to said server;
wherein each said network includes
at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,
a communication device that sends said preselected data received from said server to mobile terminals located within a range of communication of said communication device wirelessly, and
a detection device that detects any mobile terminals present within said range of communication of said communication device; and

wherein said server includes

- a communication circuit that communicates with the communication device and the detection device included in each said network,

- a storage circuit connected to said communication circuit, said storage circuit storing in the form of a management table for each said mobile terminal (i) information specifying the network in which the mobile terminal is currently located based on information received from said detection device and (ii) prestored information specifying the home network of the mobile terminal, and

- a control circuit connected to said communication circuit and to said storage circuit, said control circuit being adapted to receive data and information indicating a specified one of said at least one mobile terminal as the destination of the data, and to control said communication circuit such that it sends said received data to the specified one of said at least one mobile terminal based on the information concerning the specified one of said at least one mobile terminal contained in said management table.

2. (Previously presented) The network system according to claim 1,
wherein the detection device includes
- a first transmission circuit that transmits inquiry
information concerning whether any mobile terminal
is located within the communication range of said
communication device,
 - a receiving circuit that receives in-zone information output
by mobile terminals present within the
communication range of the communication device
in response to said inquiry information, and
 - a second transmission circuit connected to said
receiving circuit that transmits to said server first
identification information specifying the ones of said
at least one mobile terminal that transmitted said
in-zone information and second identification
information specifying the network in which said
detection device is included,
- wherein said storage circuit includes a circuit storing
- a management table including, for each mobile terminal
identified by the first identification information, said
second identification information and said prestored
information specifying the home network of each
mobile terminal present within the communication
range of the communication device;
- wherein said data and information indicating a specified one of
the at least one mobile terminal as the destination of the
data is represented in the first identification information,
and

wherein said control circuit includes

a circuit that reads from said management table the
second identification information corresponding to
the first identification information;

a circuit that compares the read second identification
information and the prestored information specifying
the home network, and

a circuit that controls said communication circuit so as to
send said received data to the communication device
in the network identified by the second identification
information when the read second identification
information and the information specifying the home
network differ from one another.

3. (Previously presented) The network system according to claim 1, wherein
said sever further includes a connection circuit that connects to
another network, and
said sever receives said data and the information indicating the
specified one of the at least one mobile terminal as the
destination of the data from a device connected to
another network.

4. (Previously presented) The network system according to claim 3, wherein
said another network is the Internet, and
said connection circuit includes a circuit that connects to
the Internet via a public network.

5. (Previously presented) A system comprising a server and a plurality of networks that are separately connected to said server, wherein each said network includes
- at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from is primarily assigned network to another of said plurality of networks,
 - a communication device that sends said preselected data received from said server to mobile terminals located within a range of communication of said communication device wirelessly, and
 - a detection device that detects any mobile terminals present within said range of communication of said communication device, and
- wherein said server includes
- communication means for communicating with the communication device and the detection device included in each said network,

storage means, connected to said communication means for storing in the form of a management table for each said mobile terminal (i) information specifying the network in which the mobile terminal is currently located based on information received from said detection device and (ii) prestored information specifying the home network of the mobile terminal, and

control means connected to said communication means and to said storage means, for receiving data and information indicating a specified one of said at least one mobile terminal as the destination of the data, and for controlling said communication means such that it sends said received data to the specified one of the at least one mobile terminal based on the information concerning the specified one of the at least one mobile terminal contained in said management table.

6. (Previously presented) The network system according to claim 5, wherein said detection device includes
first transmission means for transmitting inquiry information concerning whether any mobile terminal is located within the communication range of said communication device,

receiving means for receiving in-zone information
output by mobile terminals present
within the communication range of the
communication device in response to said inquiry
information, and
second transmission means, connected to said receiving
means, for transmitting to said server, first
identification information specifying the ones of the
at least one mobile terminal that transmitted said in-
zone information and second identification
information specifying the network in which said
detection device is included,
wherein said storage means includes means for storing a
management table including, for each mobile terminal
identified by the first identification information, said second
identification information and said prestored information
specifying the home network of each mobile terminal
present within the communication range of the
communication device;
wherein data and information indicating a specified one of
said at least one mobile terminal as the destination of the
data is represented in the first identification information,
and
wherein said control means includes
means for reading from said management table the second
identification information corresponding to the first
identification information received,
means for comparing the read second identification
information and the prestored information specifying
said home network, and

means for controlling, said communication means so
as to send said received data to the communication
device in the network identified by the read second
identification information when the read second
information and the information specifying the home
network differ from one another.

7. (Previously presented) The network system according to claim 5, wherein
said server further includes connection means for connecting to
another network, and
said server receives said data and the information indicating the
specified one of the at least one mobile terminal as the
destination of the data from a device connected to said
another network.
8. (Previously presented) The network according to claim 7, where said another
network is the Internet, and
said connection means includes means for connecting to said
Internet via a public network.

9. (Previously presented) A server for use in a system including the server and a plurality of networks that are separately connected to said server,

wherein each said network includes

at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,

a communication device that sends said preselected data received from said server to mobile terminals located within a range of communication of said communication device wirelessly, and

a detection device that detects any mobile terminals present within the range of communication of said communication device,

said server comprising:

a communication circuit that communicates with the communication device and the detection device included in each said network;

a storage circuit connected to said communication circuit, said storage circuit storing in the form of a management table, for each said mobile terminal, (i) information specifying the network in which the mobile terminal is currently located based on information received from said detection device and (ii) prestored information specifying the home network of the mobile terminal; and

a control circuit connected to said communication circuit and to said storage circuit, said control circuit being adapted to receive data and information indicating a specified one of said at least one mobile terminal as the destination of the data, and to control said communication circuit such that it sends said received data to the specified one of the at least one mobile terminal based on the information concerning the specified one of the at least one mobile terminal contained in said management table.

10. (Previously presented) The server according to claim 9,
wherein said detection device includes

a first transmission circuit that transmits inquiry
information concerning whether any mobile terminal
is located within the communication range of said
communication device,

a receiving circuit that receives in-zone information output
by mobile terminals present within the
communication range of the communication device
in response to said inquiry information, and

a second transmission circuit connected to said receiving
circuit that transmits to said server, first
identification information specifying the ones of said
at least one mobile terminal that transmitted in-zone
information and second identification information
specifying the network in which said detection device
is included,

wherein said storage circuit includes a circuit storing a
management table including, for each mobile terminal
identified by the first identification information, said second
identification information and said prestored information
specifying the home network of each mobile terminal
present within the communication range of the
communication device,

wherein said data and information indicating a specified one of
the at least one mobile terminal as the destination of the
data is represented in the first identification information,
and

wherein said control circuit includes

- a circuit that reads from said management table the second identification information corresponding to the first identification information,
- a circuit that compares the read second identification information and the prestored information specifying the home network, and
- a circuit that controls said communication circuit so as to send said received data to the communication device in the network identified by the read second identification information when the read second identification information and the information specifying the home network differ from one another.

11.(Previously presented) The server according to claim 9, further comprising a connection circuit that connects to another network, wherein said server receives said data and the information indicating the specified one of the at least one mobile terminal as the destination of the data from a device connected to said another network.

12.(Previously presented) The server according to claim 11, wherein said another network is the Internet, and said connection circuit includes a circuit that connects to the Internet via a public network.

13. (Currently Amended) A server for use in a system including a server and a plurality of networks that are separately connected to said server, wherein each said network includes

at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,

a communication device that sends said preselected data received from said server to mobile terminals located within a range of communication of the communication device wirelessly, and

a detection device that detects any mobile terminals present within said range of ~~communication~~ communication of said communication device,

said server comprising:

communication means for communicating with the communication device and the detection device included in each said network;

storage means, connected to said communication means for storing in the form of a management table for each said mobile terminal (i) information specifying the network in which the mobile terminal is currently located based on information received from said detection device and (ii) prestored information specifying the home network of the mobile terminal; and

control means, connected to said communication means and to said storage means, for receiving data and information indicating a specified one of said at least one mobile terminal as the destination of the data, and for controlling said communication means such that it sends said received data to the specified one of said at least one mobile terminal based on the information concerning the specified one of said at least one mobile terminal contained in said management table.

14. (Previously presented) The server according to claim 13,
wherein said detection device includes

first transmission means for transmitting inquiry information concerning whether any mobile terminal is located within the communication range of said communication device,
receiving means for receiving in-zone information output by mobile terminals present within the communication range of the communication device in response to said inquiry information, and
second transmission means, connected to said receiving means, for transmitting to said server first identification information specifying the ones of said at least one mobile terminal that transmitted in-zone information and second identification information specifying the network in which said detection device is included,

wherein said storage means includes means for storing a management table including, for each mobile terminal identified by the first identification information, said second identification information and said prestored information specifying the home network of each mobile terminal present within the communication range of the communication device,

wherein said data and information indicating a specified one of said at least one mobile terminal as the destination of the data is represented in the first identification information, and

wherein said control means includes

means for reading from said management table the second identification information corresponding to the first identification information,

means for comparing the read second identification information and the prestored information specifying the home network, and

means for controlling said communication means so as to send said received data to the communication device in the network identified by the read second identification information when the read second identification information and the information specifying the home network differ from one another.

15. (Previously presented) The server according to claim 13, further comprising connection means for connecting to another network, and said server receives said data and the information indicating the specified one of the at least one mobile terminal as the destination of the data from a device connected to said another network.

16. (Previously presented) The server according to claim 15, wherein said another network is the Internet, and said connection means includes means for connecting to the Internet via a public network.

17. (Previously presented) A communication method of a server in a system including the server and a plurality of networks that are separately connected to said server,
wherein each said network includes
at least one mobile terminal primarily assigned to said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,
a communication device that sends said preselected data received from said server to mobile terminals located within a range of communication of said communication device wirelessly, and

a detection device that detects any mobile terminals
located within said range of communication
of said communication device,
said communication method comprising the steps of:
storing in the form of a management table including,
for each said mobile terminal, (i) information
specifying the network in which the mobile
terminal is currently located based on
information received from said detection
device and (ii) prestored information specifying
the home network of the mobile terminal; and
receiving data and information indicating a
specified one of said at least one mobile
terminal as the destination of the data, and,
sending said received data to the specified one of
said at least one mobile terminal as the
destination thereof.

18. (Previously presented) The communication method according to claim 17,

wherein said detection device includes

a first transmission circuit that transmits inquiry information concerning whether any mobile terminal is located within the communication range of said communication device,

a receiving circuit that receives in-zone information output by mobile terminals present within the communication range of the communication device in response to said inquiry information, and

a second transmission circuit connected to said receiving circuit that transmits to said server, first identification information specifying the ones of said at least one mobile terminal that transmitted said in-zone information and second identification information specifying the network in which said detection device is included,

wherein said step of storing the management table includes the step of storing a management table including, for each mobile terminal identified by the first identification information, said second identification information and said prestored information specifying the home network of each mobile terminal present within the communication range of the communication device,

wherein said data and information indicating a specified one of said at least one mobile terminal as the destination of the data is represented in the first identification information, and

wherein said step of sending said received data to said specified one of said at least one mobile terminal as the destination thereof includes the steps of

reading from said management table the second information corresponding to the first identification information,

comparing the read second identification information and the prestored information specifying the home network, and

sending said received data to the communication device in the network identified by the read second identification information when the read second identification information and the information specifying the home network differ from one another.

19. (Previously presented) The communication method according to claim 17, wherein said server is connected to another network and said server receives said data and the information indicating the specified one of the at least one mobile terminal as the destination of the data from a device connected to said another network.

20. (Previously presented) The communication method according to claim 19, wherein said another network is the Internet, and said server is connected to the Internet via a public network.

21. (Previously presented) A computer readable recording medium for use in recording a program for implementing a communication method of a server in a system including a server and a plurality of networks separately connected to said server,

wherein each said network includes

at least one mobile terminal primarily associated with said network as its home network that receives preselected data from said server and outputs the received preselected data, said at least one mobile terminal being movable from its primarily assigned network to another of said plurality of networks,

a communication device that sends said preselected data received from said server to mobile terminals located within a range of communication of said communication device wirelessly, and

a detection device that detects any mobile terminals present within said range of communication of said communication device,

wherein said communication method comprises the steps of:

storing a management table including, for each said mobile terminal, (i) information specifying the network in which the mobile terminal is currently located based on information received from said detection device and (ii) prestored information specifying the home network of the mobile terminal;
and

receiving data and information indicating a specified one of
said at least one mobile terminal as the destination
of the data, and,
sending said received data to the specified one of said at
least one mobile terminal based on the information
concerning the specified one of said at least one
mobile terminal contained in said management table.

22. (Previously presented) The recording medium according to claim 21,
wherein said detection device includes

a first transmission circuit that transmits inquiry
information concerning whether any mobile terminal
is located within the communication range of said
communication device,
a receiving circuit that receives in-zone information output
by mobile terminals present within the
communication range of the communication device
in response to said inquiry information, and
a second transmission circuit connected to said receiving
circuit that transmits to said server first
identification information specifying the ones of said
at least one mobile terminal that transmitted said
in-zone information and second identification
information specifying the network in which said
detection device is included,

wherein said step of storing a management table includes the step of storing a management table including, for each mobile terminal identified by the first identification information, said second identification information and said prestored information specifying said home network of each mobile terminal present within the communication range of the communication device,

wherein said data and information indicating a specified one of said at least one mobile terminal as the destination of the data is represented in the first identification information, and

wherein said step of sending said received data to said specified one of said at least one mobile terminal as the destination thereof includes the steps of

reading from said management table the second information corresponding to the first identification information,

comparing the read second identification information and the prestored information specifying the home network, and

sending said received data to the communication device in the network identified by the read second identification information when the read second information and the information specifying the home network differ from one another.

23. (Previously presented) The recording medium according to claim 21,
wherein said server is connected to another network and
said server receives said data and the information indicating the
specified one of the at least one mobile terminal as the
destination of the data from a device connected to said
another network.

24. (Previously presented) The recording medium according to claim 23, wherein
said another network is the Internet, and
said connection means includes means for connecting to
the Internet via a public network.